## STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Illinois Departm of Transportatio Division of Highways Illinois Department of Transportation	n	-		S	OIL BORING LOG		Data	06	nor
DOLLER			St	ructur	Replacement - US 50 over Lackey		Date		USA
FAP 327 DES	SCRI	PTION			Creek LC	OGGE	D BY	S	CI
SECTION 15B-1	ι	LOCAT	ION _	~0.2	mile E of Union (MO) Pacific RR; SW 1/4,	SEC.	12, TV	/P. 2N	.RN
COUNTY Marion DRILLING	ME	THOD		С	ME 55 wHSA HAMMER TYPE		Auto	matic	
STRUCT. NO061-0036 (Existing)	D	В	υ	м	Surface Water Elev511.5 ft	D	В	U	٨
Station 1251+66	Е		С	0	Stream Bed Elev. 510.5 ft	E	L	С	C
	P	0	S	1		P	0	S	!
BORING NO. B-1 Station 1251+43	Τ.	W	_	S	Groundwater Elev.:	T	W		S
Station 1251 + 43	Н	S	Qu	Т	First Encounter503.8 ft ▼	Н	S	Qu	Т
Offset 13 ft Rt					Upon Completion 510.1 ft 🗸	١			
Ground Surface Elev. 519.8 ft	(ft)	(/6")	(tsf)	(%)	After Hrs ft	(ft)	(/6")	(tsf)	(%
ASPHALT - 12 inches					SANDY CLAY: Gray and brown,				
518.8					low plastic				
FILL: Brown, low plastic sandy		1			(A-4) (continued)		1		
clay		2	0.5	13			5	0.9	25
(A-6)		1	P				11	S/15	
(No recovery – grab sample of auger cuttings obtained and PP516_8		1			497.1				
test performed on disturbed		1			SAND: Brown, fine to coarse				
sample)	-	1			(A-3) Cobble/boulder encountered	-	4		
FILL: Brown, low plastic silty clay,		1	0.5	19	during drilling from 22.5 to 23.5 495.6		3	2.4	14
some sand		2	В	"	feet.		4	B B	
(A-6)		1-		ļ	CLAY: Brown, high plastic, some	25	-	- 0	
	-	1			sand, trace gravel	-			
Becomes brown and greenish		1	ļ	<del> </del>	(A-7)		5		
gray	-	1	0.3	18			7	3.3	14
o,		2	0.3 B	10	1			3.3 B	14
			Б			_	11	В	
SILTY CLAY: Gray and brown,		1							
SILTY CLAY: Gray and brown, low plastic		-				_			
(A–6)		0					4		
	7 -	2	0.6	22			7	2.9	14
brown	<u></u> _10	2	В			30	10	В	
509.3									
CLAY: Brown, high plastic, some		<u> </u>							
sand	_	0							
(A-7)		1	0.3	20					
		2	В						
		1 .							
		0					7		
		1	0.5	22			10	2.8	12
	-15	2	В			-35	10	S/15	
504.3		<b>T</b>			1				
CANDY CLAY, Dealdish brown	▼	1				-			
and gray, low plastic		2			1				
(A-4) 503.1	_	4	_	18	400.0	-			
SAND: Brown, fine to medium,		5	_	."	CLAY: Brown, high plastic, trace				
trace to some clay		1 3			sand, tree limb				
(A-2)		1			(A-7)				ľ
	*****	<del> </del>			1	_			
500.8		1					2		
	_	2	0.8	21			3	1.2	2
	-20	2	В		II		5	В	

Illinois Departm of Transportatio	en n			S	OIL BORING LOG
Division of Highways Illinois Department of Transportation	on		C.		Date <u>06/03/08</u> Replacement – US 50 over Lackey
ROUTE FAP 327 DES	CRIP	TION	51	ructure	Creek LOGGED BY SCI
SECTION 15B-1	L	OCAT	ION _	~0,2	mile E of Union (MO) Pacific RR; SW 1/4, SEC. 12, TWP. 2N, RNG.
COUNTY <u>Marion</u> DRILLING	MET	HOD		С	ME 55 wHSA HAMMER TYPE Automatic
STRUCT. NO. <u>061–0036 (Existing)</u> Station <u>1251+66</u>	D E P	B L O	U C S	M 0 1	Surface Water Elev.         511.5 ft           Stream Bed Elev.         510.5 ft
BORING NO. B-1	T	w	5	S	Groundwater Elev.:
Station         1251 + 43           Offset         13 ft Rt	н	S	Qu	Т	First Encounter 503.8 ft ▼ Upon Completion 510.1 ft ▽
Ground Surface Elev. 519.8 ft	(ft)	(/6")	(tsf)	(%)	After Hrs ft
CLAY: Brown, high plastic, trace and, tree limb A-7) (continued)					
SILTY CLAY: Brown, low plastic, trace sand (A-7)	_				
	+	0			·
		2	0.8	21	
	-45	4	В	ļ	
	-	-			
•					
CLAY: Brown and greenish gray,					
high plastic, some sand, trace	$\dashv$				
gravel (A-7)					
		0	10	21	
	-50	4	1.3 B	21	
•					
	$\dashv$				
Becomes brown	-	1			
		3	1.3	19	
	-55	4	В		
	$\dashv$				
		0 1	1,1	21	
459.8	-60	3	В		
459.8 Boring terminated at 60 feet. The Unconfined Compressive Strength (U				L	

DESIGNED CHECKED CHECKED C.J.F.



HEET NO. 7	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEI NO					
100	327	15B-1	MARION	58	39					
9 SHEETS		SN 061-2026	CONTRACT	NO. 76	A59					
	FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT 327									